

Amendment dated June 4, 2007

Response to Non-Final Action mailed March 12, 2007

**AMENDMENTS TO THE SPECIFICATION**

Please amend the Specification as follows:

On page 6, paragraph [0023], please amend as follows:

Non-limiting examples of structures 116, 212 that may used include a cantilever, a diaphragm, a platform suspended or supported by springs or other flexible structures, or any other structure 116, 212 known in the art for which measurement of mass dependent properties and/or surface stress, such as deflection and/or resonant frequency shifts may be performed. An example of an appropriate structure 116, 212 is a cantilever 116, 212, as shown in FIG. 1. Known microfabrication techniques may be use to fabricate an analysis chamber 114, 210 with one or more such structures 116, 212 (e.g., Baller et al., 2000, Ultramicroscopy. 82:1-9; U.S. Pat. No. 6,073,484). Techniques for fabrication of nanoscale cantilever 116, 212 arrays are known. (E.g., Baller et al., 2000; Lang et al., Appl. Phys. Lett. 72:383, 1998; Lang et al., Analytica Chimica Acta 393:59, 1999; see also <http://monet.physik.unibas.ch/nose/inficon/>; <http://www.phantomsnet.com/p-hantom/net/phantomsconf/doc/Abadal.pdf>; <http://lmn.web.psi.ch/annrep/mntec-h3.pdf>; <http://www.nnf.cornell.edu/2001cnfra/200138.pdf>; <http://www.princeton.edu/~about:cml/html/research/biosensor.html>) In alternative embodiments of the invention, piezoelectric materials such as quartz crystal microbalances may be used as structures 116, 212. (E.g., Zhou et al., Biosensors & Bioelectronics 16:85-95, 2001; Yamaguchi et al., Anal. Chem. 65:1925-1927; Bardea et al., Chem. Commun. 7:839-40, 1998.)